



HD40

HIGH PERFORMANCE LIGHTWEIGHT CAMERA SYSTEM FOR GROUP 1 & 2 UAS



HD40-LV-LP

MISSION PROVEN
TRL 9 for military and commercial applications

ITAR FREE
Non-controlled configurations

HD DIGITAL VIDEO
Fully digital, h.264-compliant video pipeline

ENVIRONMENTALLY SEALED
Highly resistant to dust and water

EMBEDDED VIDEO PROCESSING
Electronic stabilization and scene tracking

ROBUST DESIGN
Built for Launched Effects systems

TRACKING

- Onboard scene tracking
- Onboard geo tracking
- Optional target tracking with external module

GEOLOCATION

- IMU co-located with cameras
- 1.5° (typical) total system accuracy
- Real time geopointing and geolocation
- Onboard GPS receiver or platform provided GPS compatible

ELECTRICAL

- Control over Ethernet or serial
- 15W average, 75W peak power consumption
- 24VDC regulated input, external regulation accepting 10V to 30V available

MECHANICAL

- Pan: 360° Continuous
- XV Tilt: -80° to 28°
- LV Tilt: -80° to 42°
- 0.02° encoder resolution

SOFTWARE

- Onboard h.264 compression with adjustable bitrate
- MISB-compliant output including embedded KLV metadata
- Field upgradeable software
- Onboard electronic stabilization
- Ethernet and analog video

CAMERA CONFIGURATIONS

*Options available

CONFIGURATION	WEIGHT	DIMS (W X H)	CAMERAS	FOV/DFOV	ZOOM (O+D)	LASER*
HD40-XV	840g 1.9lbs	98 x 151mm 4 x 6 in	Visible 1280 x 720	47.7° - 1.7° - 0.4°	112X (28x+4x)	
HD40-LV	650g 1.4lbs	97 x 154mm 4 x 6 in	Visible 1280 x 720 LWIR 640 x 512	46.8° - 4.9° - 1.2° 18.2° - 9.1°	40X (10x+4x) 2X (1x+2x)	LP